



Kentucky Agricultural Statistics Service
P.O. Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, State Statistician

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AGRICULTURAL NEWS: Nearly the entire State received varying amounts of rainfall during the week. Main farm activities for the week included harvesting hay and many farmers were beginning to top and spray tobacco. Days suitable for fieldwork averaged 3.8 out of a possible six days. **Topsoil moisture** as of Friday, July 27 was rated 4 percent very short, 18 percent short, 58 percent adequate, and 20 percent surplus. **Subsoil moisture** was rated 8 percent very short, 28 percent short, 53 percent adequate, and 11 percent surplus.

CORN: The corn crop greatly benefitted from the rainfall. The condition of the crop was rated as 3 percent poor, 14 percent fair, 54 percent good, and 29 percent excellent. Ninety-two percent of the corn crop was silking compared to 91 percent a year ago, and 81 percent for the five year average as of Sunday, July 29. Corn in the milk stage reached 69 percent compared to 66 percent a year ago, and 49 percent for the five year average. Forty-six percent of the corn crop had reached the dough stage compared to 43 percent last year and 28 percent for the five year average.

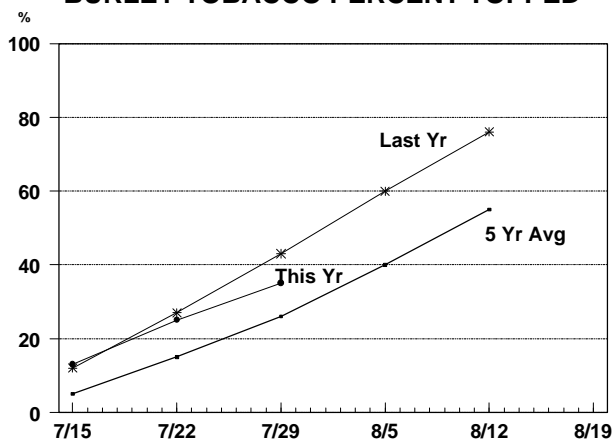
SOYBEANS: Seventy-two percent of the soybean crop was blooming as of Sunday, July 29. Spraying soybeans for weeds continued to be reported in many areas. Crop condition was rated as 4 percent poor, 19 percent fair, 54 percent good, and 23 percent excellent. Forty-two percent of the crop was setting pods as of

July 29, compared with 36 percent last year, and the five year average of 23 percent.

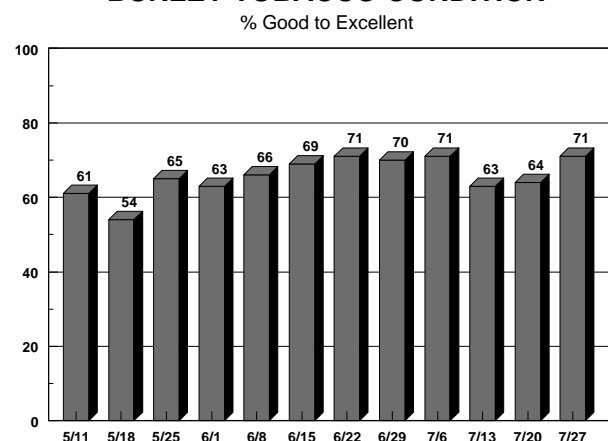
TOBACCO: Tobacco continued to look good overall; however, more reports of blue mold and black shank were received. Blue mold is more prevalent in the eastern part of the state where weather conditions have been favorable for spread of the disease. Condition of the set tobacco was reported as 2 percent very poor, 7 percent poor, 20 percent fair, 56 percent good, and 15 percent excellent. As of Sunday, July 29, 63 percent of the **burley** crop was blooming compared to 67 percent last year and the five year average of 48 percent. Thirty-five percent of the burley crop was topped compared to 43 percent last year and the five year average of 26 percent. Seventy-nine percent of the **dark tobacco** crop was topped compared to 59 percent last year and the five year average of 54 percent.

OTHER CROPS: Cutting and baling **hay** continued as one of the major farm activities this past week. Many areas of the State received rain again during the week, which made it difficult to make hay. Condition of the hay crop was reported as 8 percent very poor, 10 percent poor, 27 percent fair, 45 percent good, and 10 percent excellent. **Pasture** conditions have improved in drier areas over the past week. Conditions were rated as 7 percent very poor, 11 percent poor, 32 percent fair, 41 percent good, and 9 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



BURLEY TOBACCO CONDITION



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 29, 2001

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	72	67	47	53	63
Setting Pods	42	36	23	27	21
Corn					
Silking	92	91	81	89	55
Milk Stage	69	66	49	60	NA
Dough Stage	46	43	28	32	11
Burley Tobacco					
Blooming	63	67	48	50	NA
Topped	35	43	26	25	NA
Dark Tobacco					
Topped	79	59	54	42	NA

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JULY 27, 2001

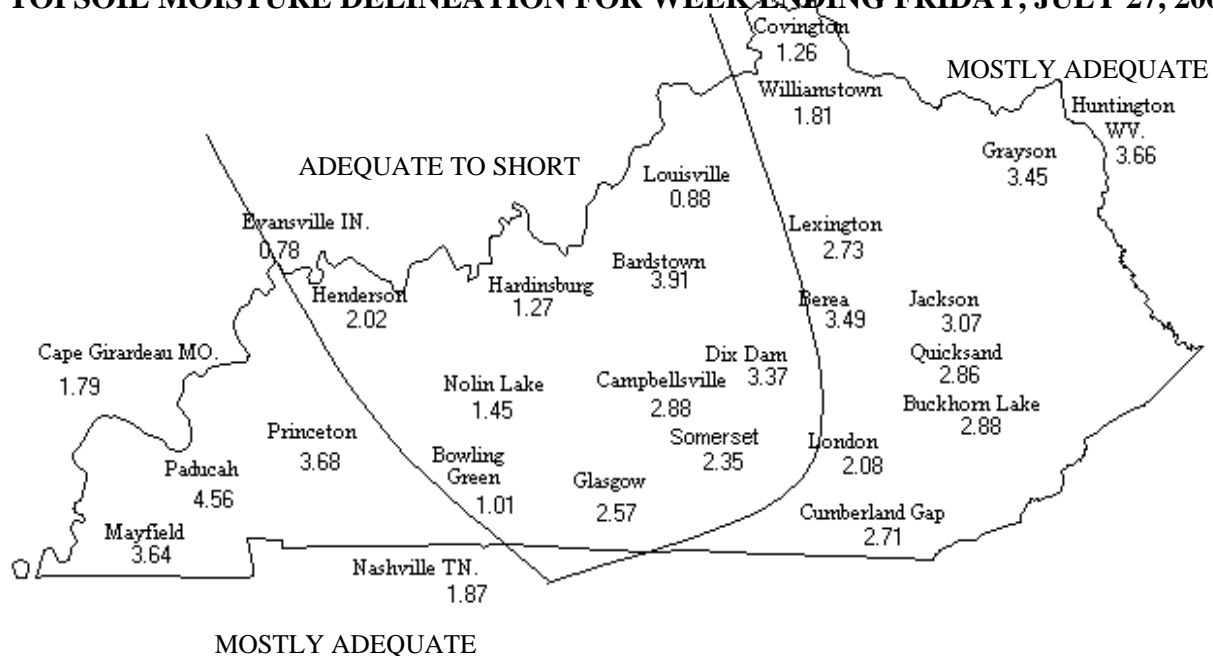
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	4	10
Short	18	36
Adequate	58	50
Surplus	20	4
SUBSOIL		
Very Short	8	18
Short	28	36
Adequate	53	44
Surplus	11	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 27, 2001					WEEK ENDING JULY 20, 2001				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	3	14	54	29	2	6	22	47	23
Soybeans	0	4	19	54	23	3	9	18	50	20
Pasture	7	11	32	41	9	8	14	34	41	3
Hay Crops	8	10	27	45	10	10	15	33	38	4
Tobacco	2	7	20	56	15	2	8	26	52	12

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 29, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 27, 2001



KENTUCKY WEATHER SUMMARY, JULY 23 - 29, 2001:

ABOVE NORMAL TEMPERATURES AND RAINFALL:

Most areas of the State received rainfall at least one day during the time period with several places receiving rain almost everyday. Some of this rain was heavy at times and prompted flash flood watches and warnings. Most areas received over an inch of rain with several receiving over three inches of rain throughout the period. Paducah received the most rain of any Kentucky station with 4.56 inches. The rain did help lessen some of the drought conditions across the State. Hot and humid conditions also occurred throughout Kentucky with some areas hitting the mid 90s with heat indices in the 100s. These hot, humid conditions also created livestock heat stress conditions for producers to manage.

Temperatures for the period averaged 79 degrees across the State which was 3 degrees ABOVE NORMAL. High temperatures averaged from 88 in the West to 85 in the East. Departure from normal high temperatures ranged from 1 degree BELOW NORMAL in the West to 1 degree BELOW NORMAL in the East. Low temperatures averaged from 73 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 7 degrees ABOVE NORMAL in the West to 5 degrees ABOVE NORMAL in the East.

Rainfall for the period totaled 2.49 inches statewide which was 1.44 inches ABOVE NORMAL. Precipitation totals by climate division, West 2.74 inches, Central 1.85 inches, Bluegrass 2.49 inches and East 2.88 inches, which was 1.82, 0.74, 1.44 and 1.75 inches respectively ABOVE NORMAL. By Kentucky station, precipitation totals ranged from a low of 0.88 inches at Louisville to a high of 4.56 inches at Paducah.

Tom Priddy

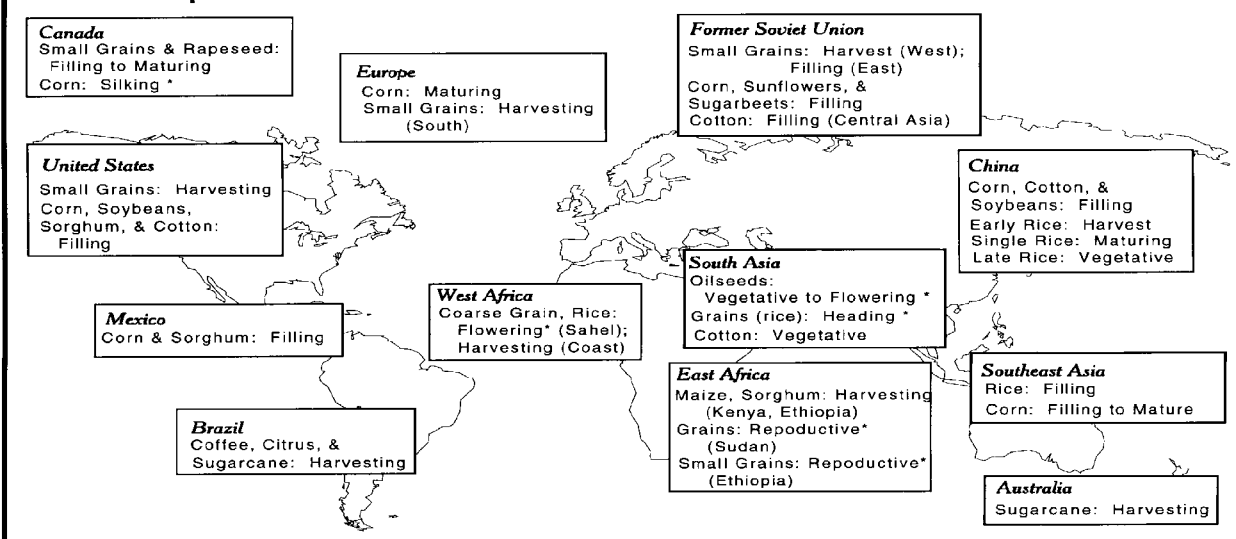
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 29, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	3.91	17.26	6.43	+0.57	+1.91	93	69	79.5	+3	193	2265	+144
Berea	3.49	16.54	6.18	-0.61	+2.19	89	61	76.0	+1	178	2179	-2
Bowling Green	1.01	14.68	3.69	-3.18	-0.59	93	72	81.6	+5	207	2445	+234
Bristol	5.64	19.05	7.75	+4.27	+3.85	89	63	75.2	-0	171	2102	+101
Buckhorn Lake	2.88	20.75	8.43	+4.21	+4.06	90	69	77.6	+2	187	2182	+270
Cape Girardeau	1.79	19.43	10.72	+3.03	+7.52	91	72	81.9	+4	212	2466	+136
Campbellsville	2.88	16.06	4.62	-3.05	-0.23	93	68	79.1	+3	191	2300	+149
Covington	1.26	19.94	8.33	+4.10	+4.50	90	64	77.6	+2	186	2100	+130
Cumberland Gap	2.71	14.40	3.65	-3.68	-1.11	93	65	77.9	+3	185	2241	+270
Dix Dam	3.37	16.44	6.13	-0.83	+1.65	91	68	77.9	+3	188	2222	+101
Evansville	0.78	15.69	5.52	-0.35	+1.87	90	71	79.9	+2	202	2422	+212
Glasgow	2.57	15.51	4.00	-3.67	-0.80	96	70	80.7	+5	197	2396	+275
Grayson	3.45	19.37	5.29	+3.09	+0.90	93	66	77.0	+2	179	2162	+311
Hardinsburg	1.27	13.76	3.67	-3.67	-0.64	93	71	80.1	+4	200	2391	+180
Henderson	2.02	15.37	7.31	-1.06	+3.62	96	71	80.9	+3	199	2398	+158
Huntington	3.66	18.78	5.00	+2.61	+0.55	94	65	76.9	+2	177	2147	+147
Jackson	3.07	16.70	6.42	-0.61	+1.68	89	67	76.1	+1	177	2152	+240
Lexington	2.73	15.50	5.79	-1.19	+1.27	91	68	78.4	+3	191	2242	+242
London	2.08	19.36	5.86	+3.11	+1.56	89	67	76.9	+1	181	2128	+157
Louisville	0.88	13.18	2.81	-3.35	-1.26	92	69	79.1	+3	193	2346	+136
Mayfield	3.64	13.04	6.34	-4.59	+2.28	91	70	78.9	+1	193	2291	+19
Nashville	1.87	15.41	2.77	-1.12	-0.82	93	72	81.6	+5	208	2524	+164
Nolin Lake	1.45	17.01	4.67	-1.64	+0.11	93	72	80.9	+5	204	2420	+388
Paducah	4.56	15.68	7.28	-2.24	+3.50	93	72	80.9	+3	207	2492	+191
Princeton	3.68	14.88	5.46	-2.74	+1.59	94	72	81.9	+4	207	2551	+281
Quicksand	2.86	22.29	9.51	+4.98	+4.77	89	68	77.6	+2	187	2175	+263
Somerset	2.35	17.13	5.47	-1.10	+1.05	91	68	78.1	+3	190	2204	+142
Spindletop	2.31	14.13	5.58	-2.56	+1.06	93	67	78.1	+3	188	2140	+140
Williamstown	1.81	20.59	7.75	+4.02	+3.66	92	66	79.4	+4	193	2208	+208

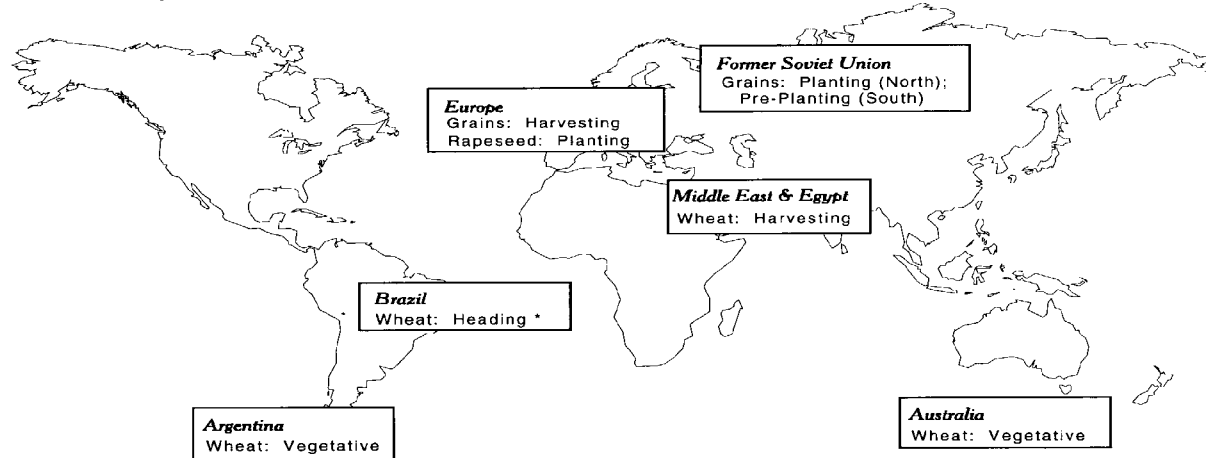
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

August normal crop calendar

Summer crops



Winter crops



* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

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UNITED STATES DEPARTMENT OF AGRICULTURE
KENTUCKY AGRICULTURAL STATISTICS SERVICE
AGRICULTURAL STATISTICIAN
POST OFFICE BOX 1120
LOUISVILLE, KENTUCKY 40201-1120

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